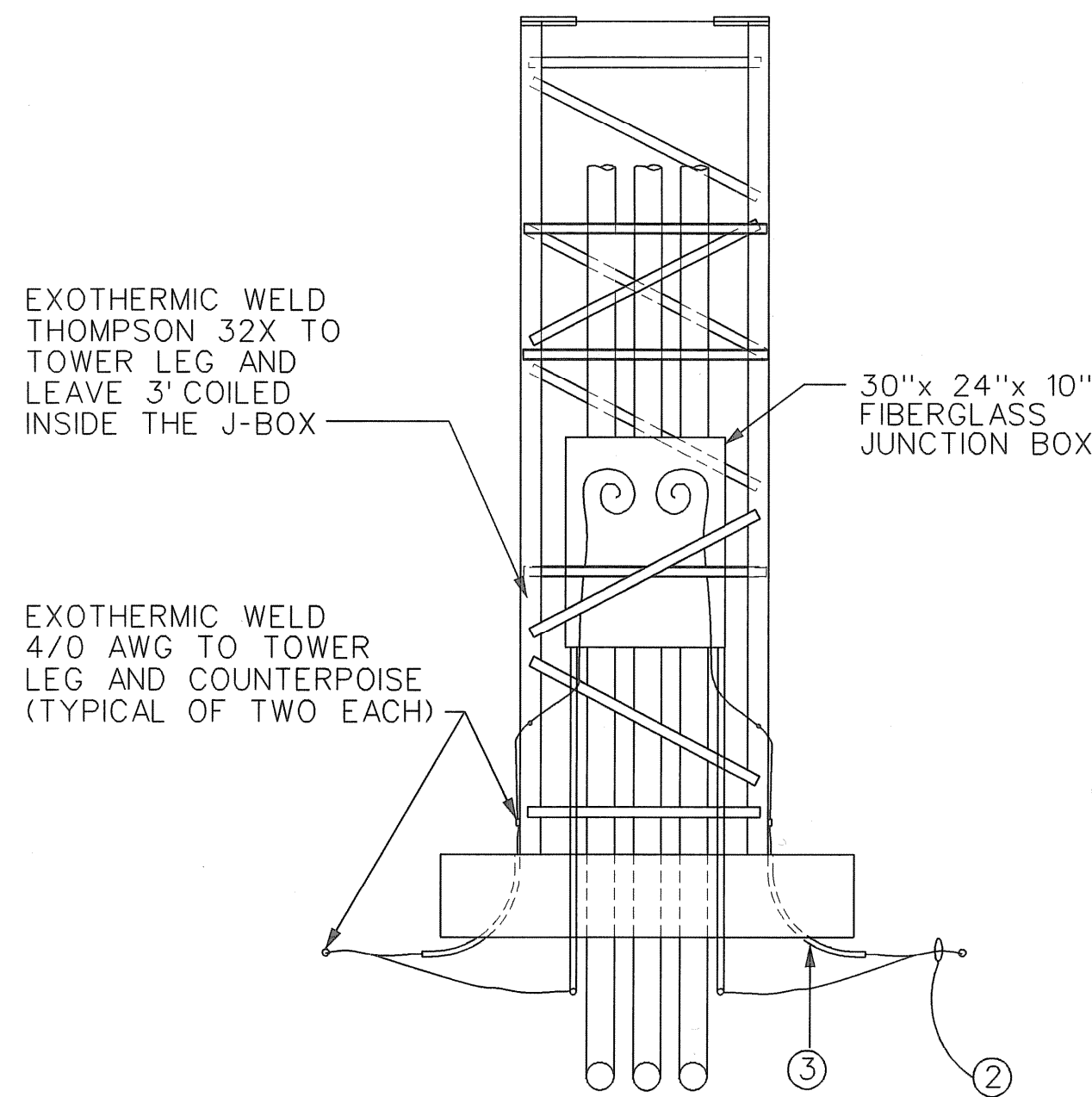
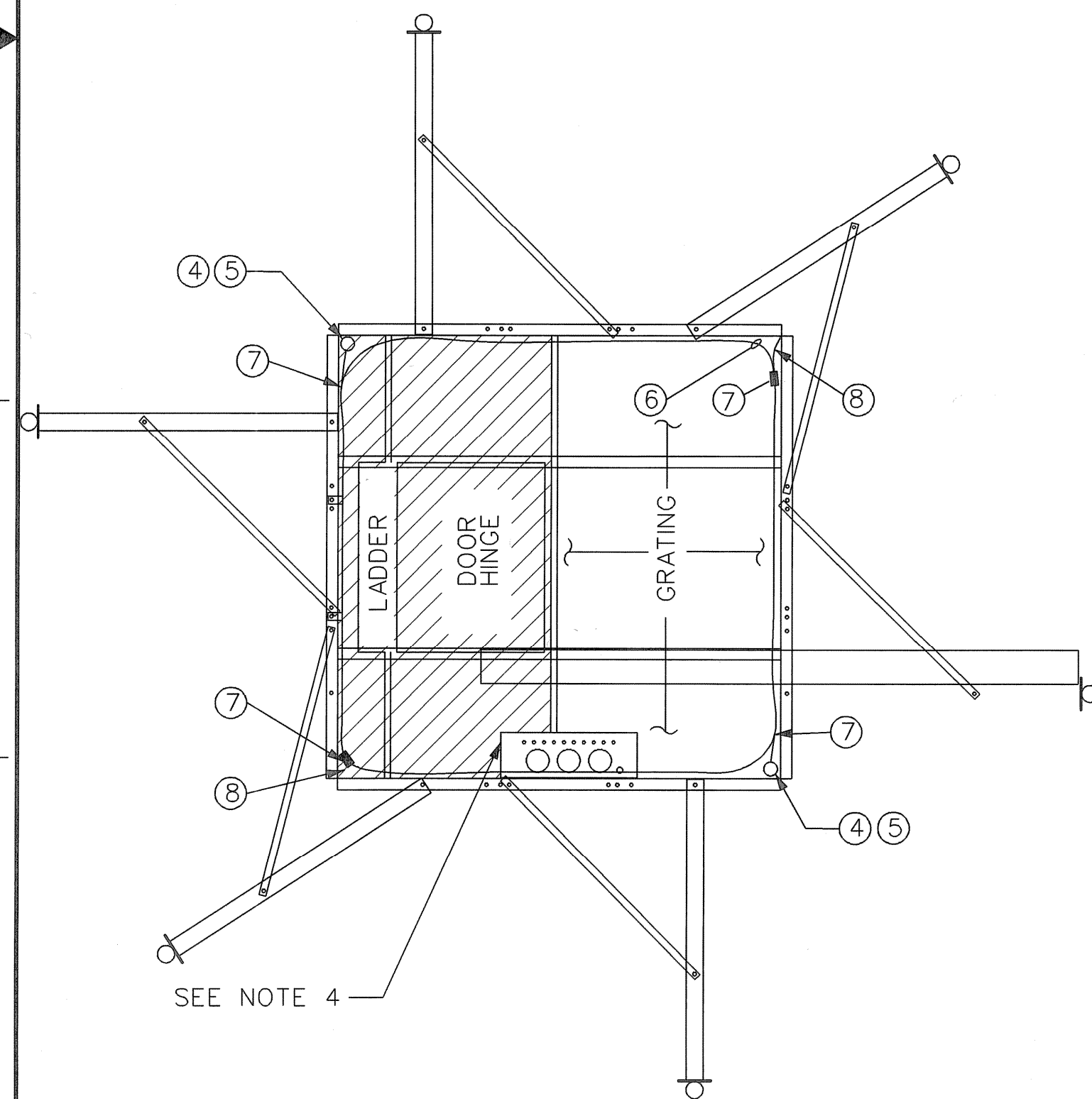


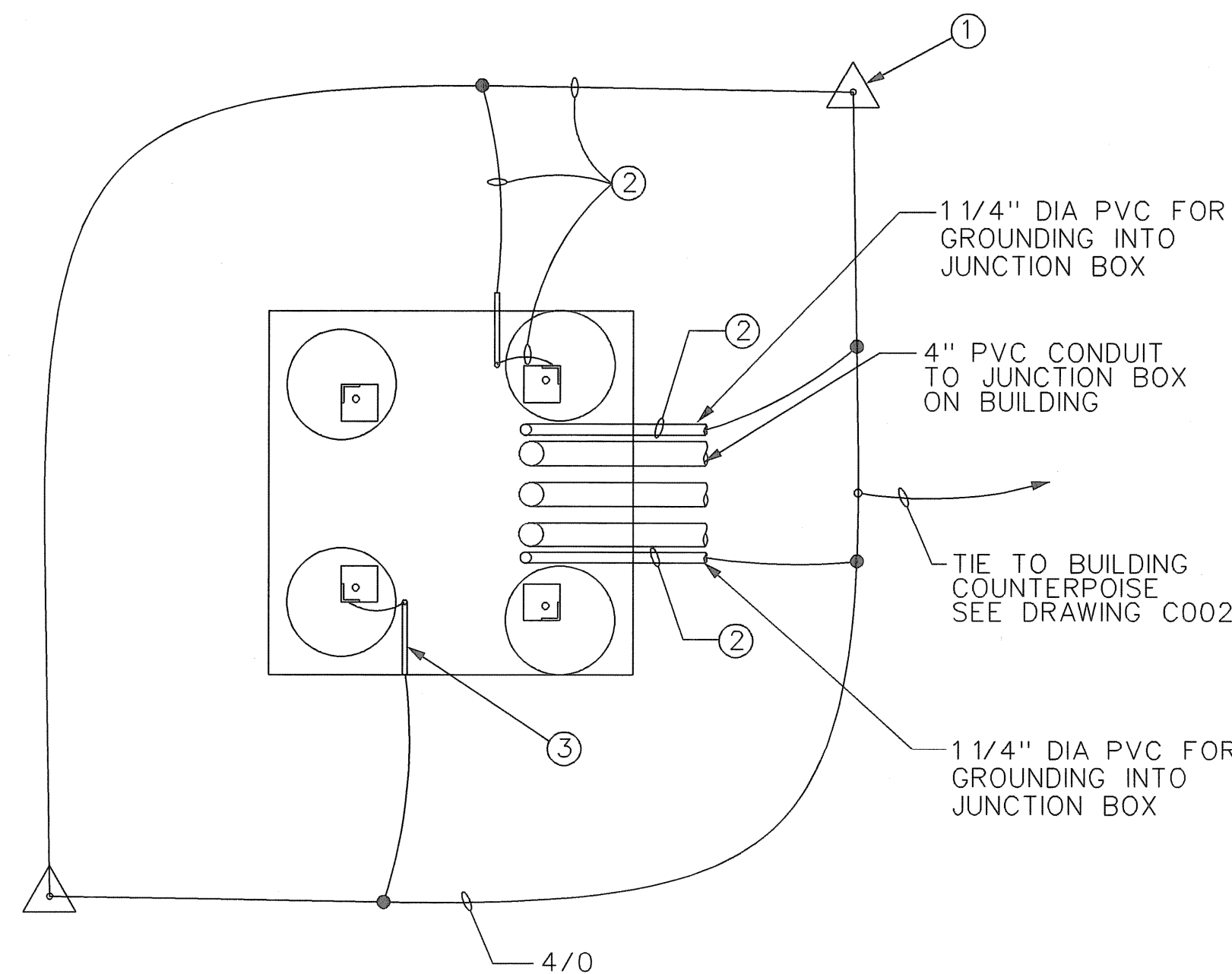
**1 JUNCTION BOX ELEVATION**  
E002 NOT TO SCALE



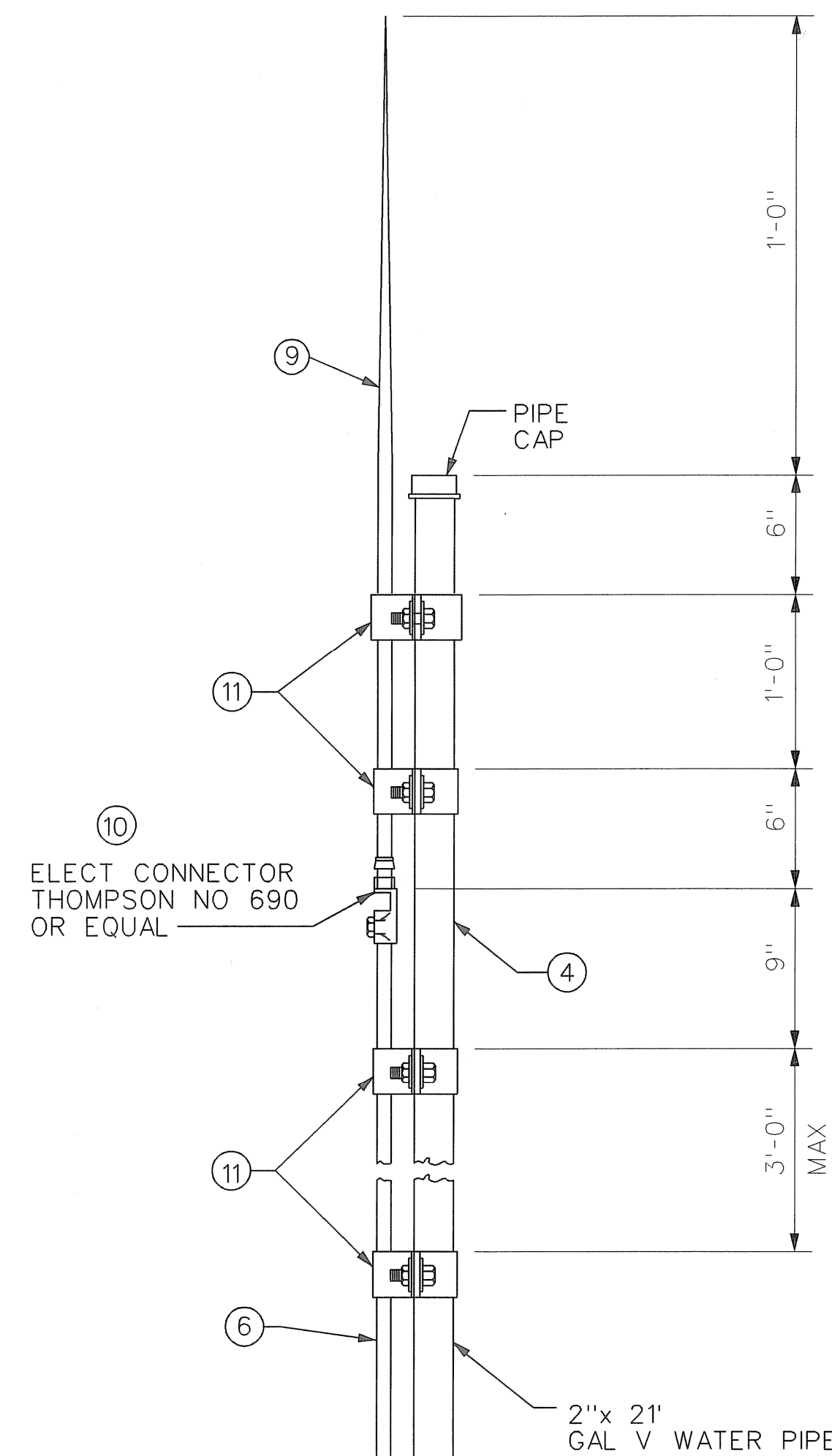
**2 TOWER CONDUIT ELEVATION**  
E002 NOT TO SCALE



**3 JUNCTION BOX SECTION**  
E002 NOT TO SCALE



**4 TOWER CONDUIT SECTION**  
E002 NOT TO SCALE



**5 AIR TERMINAL ASSEMBLY**  
E002

2 0 2 4  
1 1/2" = 1'-0"

## NOTES

1. SUPPORTED THE CONDUCTOR AT A MINIMUM OF 2'-0" SPACING AROUND THE PERIMETER OF THE PLATFORM.
2. INSTALLED DOWN CONDUCTOR WITH AN MINIMUM OF BENDS.
3. ALL GROUNDING CONNECTIONS BELOW GRADE BY EXOTHERMIC WELD.
4. INSTALLED JUNCTION BOX AT 90° FROM HATCH OPENING DIRECTION.

## LEGEND

- ① GROUND ROD, COPPER CLAD 3/4" DIA x 10'
- ② 4/0 AWG BARE COPPER, 28 STRANDS, WT 660 LBS/1000 FT
- ③ CONDUIT, RIGID PLASTIC 3/4"
- ④ STANDARD STEEL PIPE, GALV 2"x 21 FEET LONG (WATER PIPE)
- ⑤ U-BOLT, 2" WITH SELF LOCKING NUTS, GALV
- ⑥ DOWN CONDUCTOR, 32 STRANDS, WT 215 LBS/1000'. THOMPSON 32X OR EQUAL
- ⑦ PARALLEL CLAMP, THOMPSON #4248 OR EQUAL
- ⑧ SET SCREW CLAMP, THOMPSON #701 OR EQUAL
- ⑨ AIR TERMINAL, 5/8"x 3', THOMPSON #667 OR EQUAL
- ⑩ VERTICAL CONNECTOR, THOMPSON #690 OR EQUAL
- ⑪ PIPE CLAMP, THOMPSON #240X OR EQUAL
- ⑫ CABLE CLAMP, THOMPSON #142 OR EQUAL

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
<p align="center"><b>DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b></p> <p align="center"><b>ATO - TECHNICAL OPERATIONS      EASTERN SERVICE AREA</b></p> <p align="center"><b>RCAG</b></p> <p align="center"><b>ANTENNA TOWER LIGHTNING PROTECTION</b></p>					
SARASOTA		SARASOTA/BRADENTON INTL AIRPORT		FL	
REVIEWED BY	SUBMITTED BY	APPROVED BY			
PROJECT ENGINEER	DESIGNED	ISSUED BY	MGR: ENGINEERING - ATLANTA		
DRAWN	TWK	ENGINEERING SERVICES COMMUNICATIONS	DATE 04/01/2010	JCN	804826
CHECKED	NXS		DRAWING NO	SRQ-D-804826-E002	REV